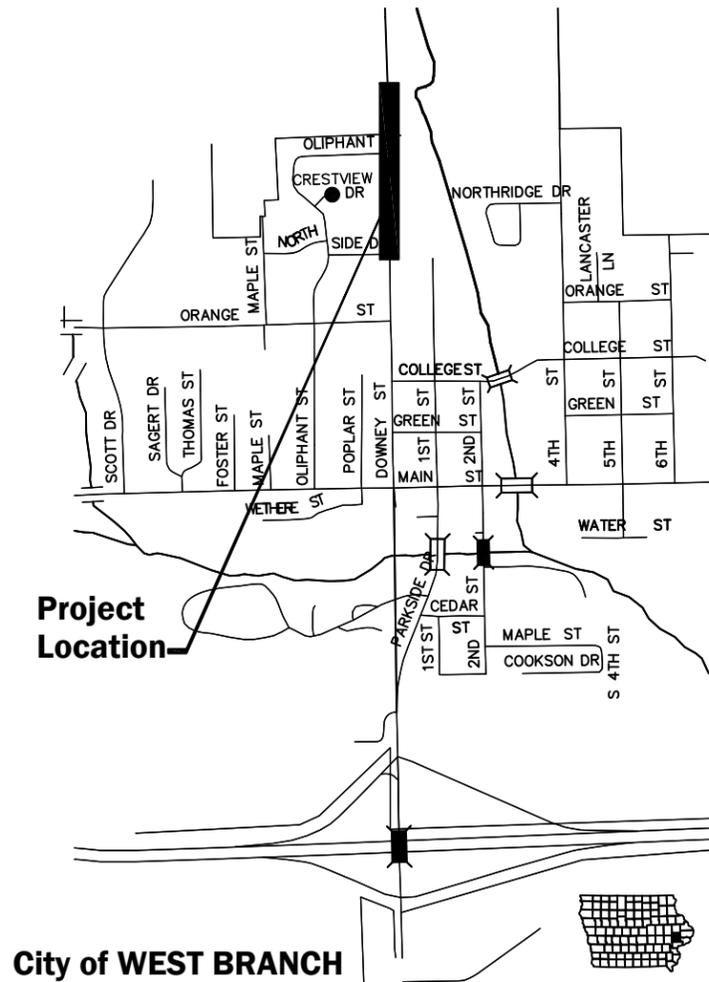


PLANS FOR NORTH DOWNEY RESURFACING WEST BRANCH, IOWA



VICINITY MAP
NOT TO SCALE

GENERAL LEGEND

<p>—+— SURVEY LINE & STATION INDICATOR</p> <p>▬ CONCRETE SURFACE</p> <p>▬ ASPHALT SURFACE</p> <p>▬ CONCRETE W/ASPHALT OVERLAY</p> <p>▬ LOW GRADE ASPHALT SURFACE</p> <p>▬ GRANULAR SURFACE</p> <p>▬ DIRT SURFACE</p> <p>▬ BRICK SURFACE</p> <p>▬ SURFACING REMOVAL/REPLACEMENT</p> <p>▬ EARTH SECTION</p> <p>—○— NEW SEWER/MANHOLE</p> <p>—○— NEW SEWER/INTAKE</p> <p>—○— NEW WATER MAIN</p> <p>—○— NEW FORCE MAIN</p> <p>—○— NEW HYDRANT</p> <p>—○— NEW WATER VALVE</p> <p>—8"S— EXISTING SANITARY SEWER AND SIZE</p> <p>—18"S— EXISTING STORM SEWER AND SIZE</p> <p>—8"W— EXISTING WATER MAIN AND SIZE</p> <p>—6"FM— EXISTING FORCE MAIN AND SIZE</p> <p>—4"G— GAS MAIN AND SIZE</p> <p>—UE— UNDERGROUND POWER LINE</p> <p>—OHE— OVERHEAD POWER LINE</p> <p>—T— UNDERGROUND TELEPHONE LINE</p> <p>—CTV— CABLE TELEVISION LINE</p> <p>—FO— FIBER OPTICS</p> <p>▬ TOP OF EMBANKMENT</p> <p>▬ TOE OF EMBANKMENT</p> <p>▬ DRAINAGE COURSE</p> <p>⊙ SANITARY MANHOLE</p> <p>⊙ STORM WATER MANHOLE</p> <p>⊙ ELECTRIC MANHOLE</p> <p>⊙ TELEPHONE MANHOLE</p> <p>⊙ WATER MANHOLE</p> <p>⊙ CURB INTAKE</p> <p>⊙ AREA OR BEEHIVE INTAKE</p> <p>⊙ EXISTING HYDRANT</p> <p>⊙ EXISTING WATER VALVE</p> <p>⊙ GAS VALVE</p> <p>⊙ UTILITY POLE</p> <p>⊙ GUY ANCHOR</p> <p>⊙ STREET LIGHT</p> <p>⊙ SIGN</p> <p>⊙ TELEPHONE CABLE JUNCTION BOX</p> <p>⊙ TRAFFIC SIGNALS</p> <p>⊙ PEDESTRIAN CONTROL LIGHT</p> <p>⊙ RAILROAD CONTROL LIGHT</p> <p>⊙ RAILROAD SIGN</p> <p>⊙ UTILITY ACCESS COVER</p> <p>⊙ PARKING METER</p> <p>⊙ TREE</p> <p>⊙ EVERGREEN</p> <p>⊙ STUMP</p> <p>⊙ BUSH, SHRUB OR HEDGE</p>	<p>====+12" CMP</p> <p>▬ FLARED END SECTION</p> <p>▬ RAILROAD</p> <p>▬ MAILBOX</p> <p>▬ FENCE (MISC.)</p> <p>▬ SECURITY FENCE</p> <p>▬ WOOD FENCE</p> <p>▬ SILT FENCE</p> <p>▬ CHAIN LINK FENCE</p> <p>▬ PROPERTY LINE</p> <p>▬ PROPERTY PIN</p> <p>▬ SECTION CORNER</p> <p>▬ PLAT BOUNDARY</p> <p>▬ BUILDING</p> <p>▬ ELEVATION MARKER</p> <p>⊙ CENTERLINE</p> <p>⊙ DIA. DIAMETER</p> <p>⊙ ELEV. ELEVATION</p> <p>⊙ PVC POLYVINYLCHLORIDE PIPE</p> <p>⊙ CI CAST IRON PIPE</p> <p>⊙ DI DUCTILE IRON PIPE</p> <p>⊙ CMP CORRUGATED METAL PIPE</p> <p>⊙ VCP VITRIFIED CLAY PIPE</p> <p>⊙ RCP REINFORCED CONCRETE PIPE</p> <p>⊙ RCAP REINFORCED CONCRETE ARCH PIPE</p> <p>⊙ LRCP LINED REINFORCED CONCRETE PIPE</p> <p>⊙ LCPP LINED CONCRETE PRESSURE PIPE</p> <p>⊙ STA. STATION</p> <p>⊙ LA LINE AHEAD</p> <p>⊙ LB LINE BACK</p> <p>⊙ BM-2 BENCH MARK AND NUMBER</p> <p>⊙ ROW RIGHT-OF-WAY</p> <p>⊙ PI POINT OF INTERSECTION</p> <p>⊙ POT POINT ON TANGENT</p> <p>⊙ LF LINEAR FEET</p> <p>⊙ TH TACKED HUB</p> <p>⊙ SB-2 SOIL BORING AND NUMBER</p> <p>⊙ PVC POINT OF VERTICAL CURVATURE</p> <p>⊙ PVT POINT OF VERTICAL TANGENCY</p> <p>⊙ VC VERTICAL CURVE</p> <p>⊙ PC POINT OF CURVATURE</p> <p>⊙ PT POINT OF TANGENCY</p> <p>⊙ MO MIDDLE ORDINATE</p> <p>⊙ DWG. DRAWING</p> <p>⊙ CP-1 CONTROL POINT AND NUMBER (TYP.)</p> <p>⊙ HPG HIGH PRESSURE GAS</p> <p>⊙ IPG INTERMEDIATE PRESSURE GAS</p> <p>⊙ INV. INVERT</p> <p>⊙ E.W.,E.F. EACH WAY, EACH FACE</p> <p>⊙ E.W. EACH WAY</p> <p>⊙ AT</p> <p>⊙ DRAWING NUMBER</p>
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NOTE: THIS IS A GENERAL LEGEND. ITEMS MAY OR MAY NOT APPEAR ON DRAWINGS.

DRAWING INDEX

NO.	DRAWING TITLE
A.01	INDEX AND TITLE SHEET
B.01	TYPICAL
C.01- C.04	QUANTITIES & ESTIMATE REFERENCE
D.01	PLAN
J.01	TRAFFIC CONTROL
L.01	PAVEMENT MARKINGS

GENERAL NOTES

- ALL ELEVATIONS ARE TO LOCAL DATUM.
- SHAPE ALL DITCHES TO DRAIN AFTER CONSTRUCTION.
- CONFIRM LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND UTILITIES AS REQUIRED TO ELIMINATE CONFLICTS PRIOR TO CONSTRUCTION. ALLOW UTILITY PERSONNEL TO RELOCATE UTILITIES WHERE CONFLICTS OCCUR. DO NOT INTERRUPT EXISTING UTILITIES OR INDIVIDUAL SERVICES UNLESS DIRECTED BY ENGINEER.
- LOCATIONS OF CONSTRUCTION LIMIT LINES SHOWN ON PLANS ARE APPROXIMATE. ENGINEER WILL LOCATE CONSTRUCTION LIMITS IN FIELD. CONFINE ALL CONSTRUCTION OPERATIONS, INCLUDING ACCESS TO WORK, TO CONSTRUCTION LIMITS.
- SET MANHOLE COVERS FLUSH WITH PROPOSED GRADES UNLESS OTHERWISE NOTED.
- STATIONING IS ALONG CENTER LINE OF PAVEMENT, UNLESS OTHERWISE NOTED.
- PROTECT UTILITY POLES, LINES AND APPURTENANCES NOT SHOWN FOR RELOCATION.
- RESET ALL PROPERTY PINS DISTURBED BY CONSTRUCTION; PINS RESET BY REGISTERED LAND SURVEYOR; COST IS INCIDENTAL TO CONSTRUCTION.
- PROTECT ALL SURFACING, NOT INDICATED BY SHADING FOR REMOVAL AND REPLACEMENT FROM DAMAGE DURING CONSTRUCTION.

PROTECTION OF VEGETATION

TREES AND OTHER VEGETATION WHICH MAY BE REMOVED ARE MARKED WITH AN "X" OVER THE APPROPRIATE SYMBOL. FOR EXAMPLE X 12" INDICATES THE REMOVAL OF A 12" TREE. REPLACEMENT, BY CONTRACTOR, OF THESE ITEMS IS NOT REQUIRED. TUNNEL, INSTALL TIGHT SHEETING, HAND EXCAVATE OR EMPLOY OTHER MEANS APPROVED BY ENGINEER TO PROTECT EXPOSED PORTIONS AND ROOT SYSTEMS OF TREES AND OTHER VEGETATION NOT SCHEDULED FOR REMOVAL. IF TREES AND OTHER VEGETATION NOT SCHEDULED FOR REMOVAL ARE DAMAGED DURING CONSTRUCTION, REPLACE IN KIND AND SIZE AT NO COST TO CITY OR PROPERTY OWNER.



I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

SIGNATURE: *Leland J. Belding, III*

NAME: LELAND J. BELDING, III

DATE: 08-17-11

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2011

PAGES COVERED BY THIS SEAL: ALL



DATE	REVISIONS	SCALE	AS NOTED	VERIFY SCALE
		DRAWN	EDG	BAR IS ONE INCH ON ORIGINAL DRAWING.
		CHECKED	LJB	IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.
		APPROVED	DRS	
		DATE	08-03-11	
		ISSUED FOR	CONSTRUCTION	

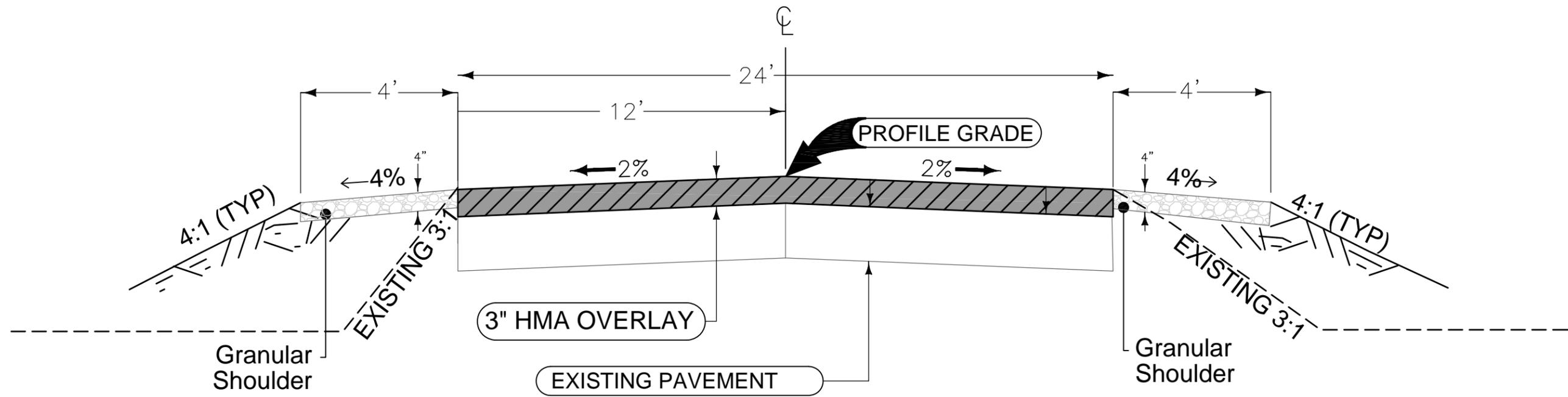


NORTH DOWNEY RESURFACING
WEST BRANCH

860 22nd Avenue • Suite 4 • Coralville, Iowa 52241-1565
319-466-1000 • 319-466-1008(FAX) • 888-241-8001(WATS)

COVER

DWG. NO.
A.01
PROJECT 36853



-  HOT MIX ASPHALT
-  HMA SCARIFICATION
-  TYPE A GRANULAR SHOULDER

DATE	REVISIONS	SCALE	AS NOTED
		DRAWN	EDG
		CHECKED	LJB
		APPROVED	DRS
		DATE	8-5-11
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NORTH DOWNEY ST RESURFACING
 CITY OF WEST BRANCH

TYPICAL

DWG. NO.
B.01
PROJECT 36853

ESTIMATED ROADWAY QUANTITIES				
ITEM NO.	ITEM	UNIT	TOTAL	AS BUILT QUAN.
1	2102-2712070	EXCAVATION, CL 12, RDWY+BORROW	CY	80
2	2121-7425010	GRANULAR SHLD, TYPE A	TON	151
3	2214-5145150	PAV'T, SCARIFICATION	SY	2344
4	2303-0041500	HMA (3M ESAL) BASE, 1/2"	TON	192
5	2303-0043500	HMA (3M ESAL) SURF, 1/2", NO FRIC	TON	192
6	2303-0245828	ASPH BINDER, PG 58-28	TON	23
9	2524-6765010	RMV+REINSTALL SIGN	EACH	1
10	2527-9263109	PAINTED PAV'T MARK, WATERBORNE/SOLVENT	STA	33.4
11	2528-8445110	TRAFFIC CONTROL	LS	1
12	2533-4980005	MOBILIZATION	LS	1

ESTIMATE REFERENCE INFORMATION		
ITEM NO.	DESCRIPTION	
1	2102-2712070	SEE SHEET B.01 FOR TYPICSL SECTIONS PLAN QUANTITY WILL BE PAID UN LESS THERE IS A DESIGN CHANGE
2	2121-7425010	SEE SHEET B.01 FOR TYPICAL SECTION AND SHEET D.1 FOR LOCATION. SEE. SEE SHEET C-3 FOR TABULATION
3	2214-5145150	SEE SHEET B.01 TYPICAL SECTIONS AND SHEET D.01 FOR LOCATIONS
4	2303-0041500	SEE SHEET B.01 TYPICAL SECTIONS AND SHEET D.01FOR LOCATIONS.
5	2303-0043500	SEE SHEET B.01 TYPICAL SECTIONS AND SHEET D.01FOR LOCATIONS.
6	2303-0245828	6% OF HMA TONAGE.
9	2524-6765010	SEE SHEET D.01 FOR LOCATIONS AND SHEET C-3 FOR TABULATION
10	2527-9263109	SEE SHEET L.01 FOR PLAN AND SHEET C-4 FOR TABULATION
11	2528-8445110	SEE SHEET J.01 FOR TRAFFIC CONTROL.
12	2533-4980005	LUMP SUM

DATE	REVISIONS	SCALE AS NOTED	VERIFY SCALE	 VEENSTRA & KIMM, INC.	NORTH DOWNEY ST RESURFACING CITY OF WEST BRANCH	QUANTITIES-ESTIMATE REFERENCE	DWG. NO.
		DRAWN EDG	BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"				C.01
		CHECKED LJB	IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	860 22nd Avenue • Suite 4 • Coralville, Iowa 52241-1565 319-466-1000 • 319-466-1008(FAX) • 888-241-8001(WATS)			PROJECT 36853
		APPROVED DRS					
		DATE 8-5-11					
		ISSUED FOR CONSTRUCTION					

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X-REFS: FILE PATH: Z:\WEST BRANCH 36853 N. DOWNEY OVERLAY\DRAWINGS\ PRODUCTION DRAWINGS\C01 QUANTITIES

Miscellaneous – 200

Plan and profile sheets included in the project are for the purpose of alignment, location and specific directions for the work to be performed under this contract. Irrelevant data on these sheets is not to be considered a part of this contract.

During reconstruction, no more than two (2) adjacent sections may be closed at the same time. A section may not be closed until the CPM schedule indicates it is necessary to close that section to allow the controlling activity on the critical path to progress. Closing of an individual section shall be of the minimum time necessary, as shown on the CPM schedule, to complete construction activities within that section.

All holes resulting from operations of the contractor, including removal of guardrail posts, fence posts, utility poles, or foundation studies, shall be filled and consolidated to finished grade as directed by the engineer to prevent future settlement. The voids shall be filled as soon as practical - preferably the day created and not later than the following day. Any portion of the right-of-way or project limits (including borrow areas and operation sites) disturbed by any such operations shall be restored to an acceptable condition. This operation shall be considered incidental to other bid items in project.

Paving – 220

Special care shall be taken when forming at intersections so that the profiles and elevations shown on the cross sections, street return profile sheets, and staking diagram sheets are obtained. Short lengths of forms or flexible forms may be necessary at these locations.

To obtain the correct form grades at low points where intakes are located, the contractor must exercise extreme care when paving full width pavements. This may require pouring one half of the pavement at a time or other methods approved by the engineer.

Construction of fillets at non-paved entrances will be required on this project. Material for these fillets is included in the appropriate items of the "Estimate of Quantities". The Engineer may increase or decrease the number of fillets required.

The contractor shall reconstruct the existing shoulders on the project prior to commencing the resurfacing operation. The shoulders shall be constructed to the section shown on the plans. After the final course of resurfacing has been laid, a layer of granular material meeting current Standard Specifications shall be placed at a uniform thickness equal to the resurfacing for the full width of the shoulder.

The Contractor is required to exercise care in shaping and compacting the resurfacing in the area of inlets to storm sewer intakes. The resurfacing course shall be shaped as necessary to insure maximum drainage into the intakes.

Earthwork, Grading – 210

It shall be the contractor's responsibility to provide waste areas or disposal sites for excess material (excavated material or broken concrete) which is not desirable to be incorporated into the work involved on this project.

It shall be the contractor's responsibility to ensure that areas (including haul roads) selected for waste or disposal not impact 1) culturally sensitive sites or graves or 2) wetlands or "Waters of the U.S.", including streams or stream banks below the "ordinary high water mark", without an approved U.S. Army Corps of Engineers Section 404 Permit.

No payment for overhaul will be allowed for material hauled to these sites. No material shall be placed within the right-of-way, unless specifically stated in the plans.

Roadside Development – 230

The contractor is required to exercise all necessary caution in construction operations within the rest area to prevent injury to all plantings designated by the engineer and to provide specific protection for any particular features designated by the engineer.

The contractor shall not disturb desirable grass areas and desirable trees outside the construction limits. The contractor will not be permitted to park or service vehicles and equipment or use these areas for storage of materials. Storage, parking and service area(s) will be subject to the approval of the resident engineer.

Before performing earthwork, tiling, or excavation within three hundred feet of an existing pipeline, the contractor shall notify the pipeline company and the pipeline company shall mark the location of the pipeline as required by Section 479.47 of the Code of Iowa.

The contractor shall exercise all due caution when working in the vicinity of pipelines carrying combustible or toxic materials which are present on this project. Pipeline location shown on the plans represents the best information available at the time of plan preparation.

Drainage – 240

Road contractor is to use due caution in working over and around all tile lines. Breaks in the tile line due to the contractor's carelessness are to be replaced at his expense without cost to the State of Iowa. Any tile lines broken or disturbed by our cut lines will be replaced as directed by the engineer in charge of construction and at the State of Iowa's expense.

Foreslopes designated for reconstruction with subdrain trench materials shall be constructed in accordance with Section 2127 "Reconstruction of Roadbed", except: when the vertical height of the slope is less than 15 feet and more than 4 feet wide, compacting may be achieved by working the material with shaping and/or hauling equipment tires. All trench materials containing Hot Mix Asphalt shall not be placed in areas subject to ponding. All Hot Mix Asphalt and boulders shall be disposed of in accordance with Article 2102.03.

Roadway Traffic – 250

The contractor is hereby notified that removal of any existing traffic markers, warning devices or guardrail barriers shall be scheduled subject to the approval of the Engineer. The contractor may be required to place temporary warning devices at certain locations where replacement features are not installed the same day during which any such removals take place.

A plan for stage construction of local accesses which are required to remain open to traffic during construction shall be submitted by the contractor for approval by the engineer.

The centerline pavement marking shall always be placed on one side of the roadway except where a "No Passing Zone" line is used, at which point it is placed on the opposite side of the roadway. The centerline shall be placed on the same side of the roadway as to match existing markings near the project.

On all new or reconstructed pavements, the location of "NO PASSING" zone lines shall be located in the field. The locations of the proposed "NO PASSING" lines shown on the pavement marking tabulation is for estimating quantities only.

Demolition – 270

Contractor shall remove only those trees as necessary to facilitate the removal of buildings, debris and materials as directed by the engineer.

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		DRAWN	EDG	BAR IS ONE INCH ON ORIGINAL DRAWING.		NORTH DOWNEY ST RESURFACING CITY OF WEST BRANCH
		CHECKED	LJB	IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.		
		APPROVED	DRS			
		DATE	8-5-11			
		ISSUED FOR	CONSTRUCTION			PROJECT 36853

TABULATION OF SHOULDERS				
				106-4
				Modified
LOCATION		SIDE	Depth	Width
Station	Station		Inches	Feet
			Gravel	Gravel
0+00	4+75	Left	4	4
0+00	8+56.11	Right	4	4
5+25	7+00	Left	4	4
7+50	8+56.11	Left	4	4

REMOVAL OF PAVEMENT			
			110-8
			MODIFIED
LOCATION		AREA Sq. Yds.	REMARKS
Station	Side		
5+00	Left	50	HMA
7+25	Left	57.8	P.C.C
0+00	CENTER	2343.5	SCARIFICATION

SIGN LOCATION					
Location					
Line	or	Station and Offset		Side	Remarks
1	Downey	0+40.98	23.98	Right	Relocate

POINTS OF ACCESS																	
① Refer to MI-210																	102-3
② Refer to RL-8 for Type B or C. Type A per Plan.																	10-19-10
Location		Type ② A, B, or C	Length of Opening			W Ft.	① ② PR Ft.	② SR Ft.	Pipe Culvert (RF-30A or RF-30B)				Aprons No.	Driveway Surface Area		Driveway Surfacing Material Tons	Remarks
Station	Side		Case ① 1 or 2	1.5" Dropped Curb Lin. Ft.	3" Dropped Curb Lin. Ft.				H Ft.	Size Inches	Pipe Length Lin. Ft.	Lt. ② Lin. Ft.		Rt. ② Lin. Ft.	HMA Tons		
5+00	Left	A															Driveway
7+25	Left	A												32.6	57.8		OLIPHANT STREET

DATE	REVISIONS	SCALE	AS NOTED
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TABULATIONS

DWG. NO.
C.03
PROJECT 36853

PAVEMENT MARKING LINE TYPES

See PM Series

108-22
04-19-11

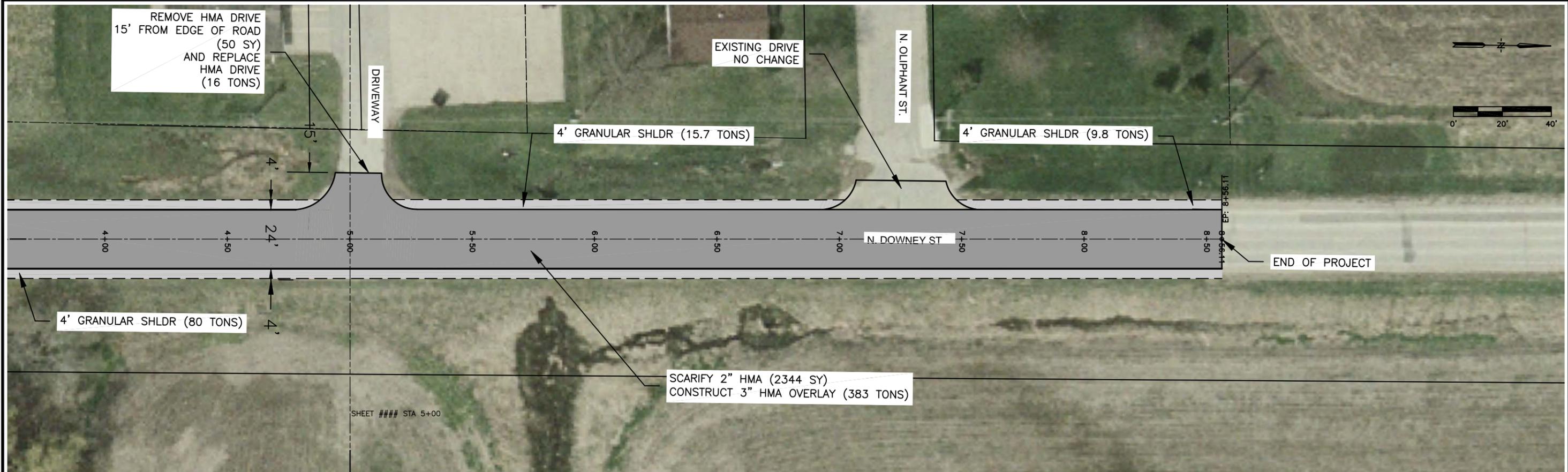
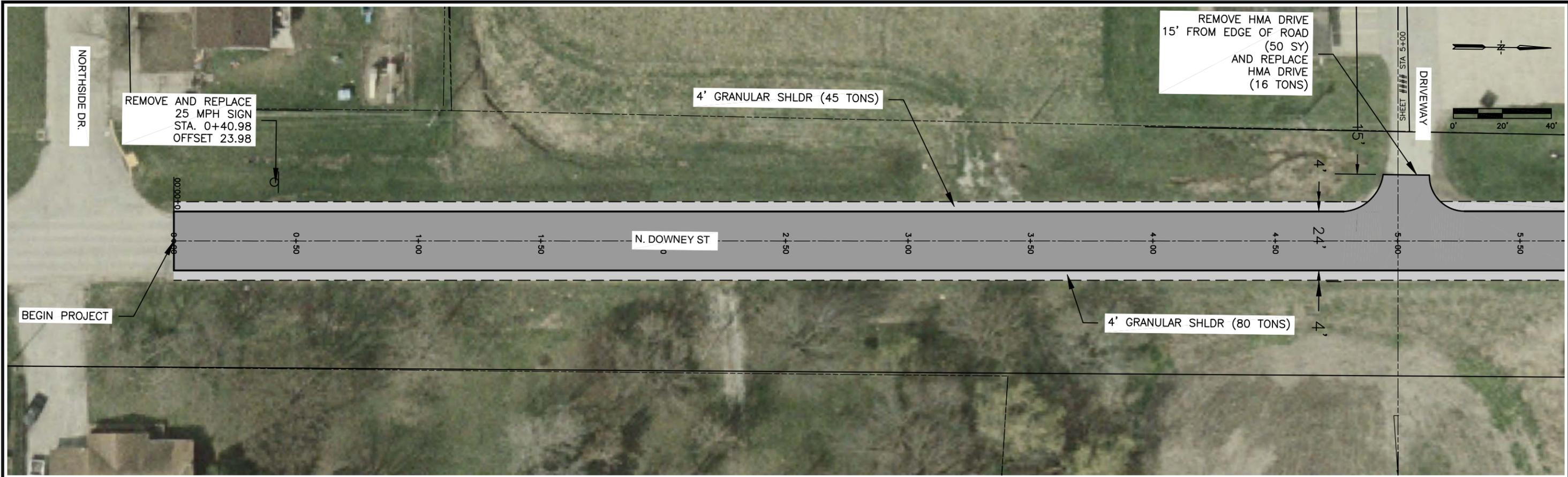
BCY4: Broken Centerline (Yellow) @ 0.25
 DCY4: Double Centerline (Yellow) @ 2.00
 NPY4: No Passing Zone Line (Yellow) @ 1.25
 BLW4: Broken Lane Line (White) @ 0.25
 ELW4: Edge Line Right (White) @ 1.00
 ELY4: Edge Line Left (Yellow) @ 1.00

Road ID	Station to Station		Location			Length by Line Type (Unfactored)															Remarks			
			Dir. of Travel	Marking Type	Side			BCY4	DCY4	NPY4	BLW4	ELW4	ELY4		DHY4	SLW4								
					L	C	R	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA		STA	STA	STA
Rural	0+00	8+00	Center	DCY4		x			8															
Rural	0+00	4.85	EDGE	ELW4	x					4.85														
Rural	5+30	8+56.11	EDGE	ELW4	x					3.26														
Rural	0+00	8+56.11	EDGE	ELW4			x			8.56														
Rural	8+00	8+56.11	Center	BCY4		x		0.6																
Length Subtotals																								
Quantity Factors						0.25	2.00	1.25	0.25	1.00	1.00													
Totals						0.15	16				16.67													

DATE	REVISIONS	SCALE AS NOTED	DRAWN EDG	CHECKED LJB	APPROVED DRS	DATE 8-5-11	ISSUED FOR CONSTRUCTION	VERIFY SCALE	 VEENSTRA & KIMM, INC.	NORTH DOWNEY ST RESURFACING CITY OF WEST BRANCH	860 22nd Avenue • Suite 4 • Coralville, Iowa 52241-1565 319-466-1000 • 319-466-1008(FAX) • 888-241-8001(WATS)	<h1 style="margin: 0;">TABULATIONS</h1>	DWG. NO. C.04	PROJECT 36853
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X-REFS: WBMAP & aerial
FILE PATH: Z:\WEST BRANCH 36853 N. DOWNEY OVERLAY\DRAWINGS\ PRODUCTION DRAWINGS\01 N DOWNEY RESURFACING



DATE	REVISIONS

SCALE	AS NOTED
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NORTH DOWNEY ST RESURFACING
 CITY OF WEST BRANCH

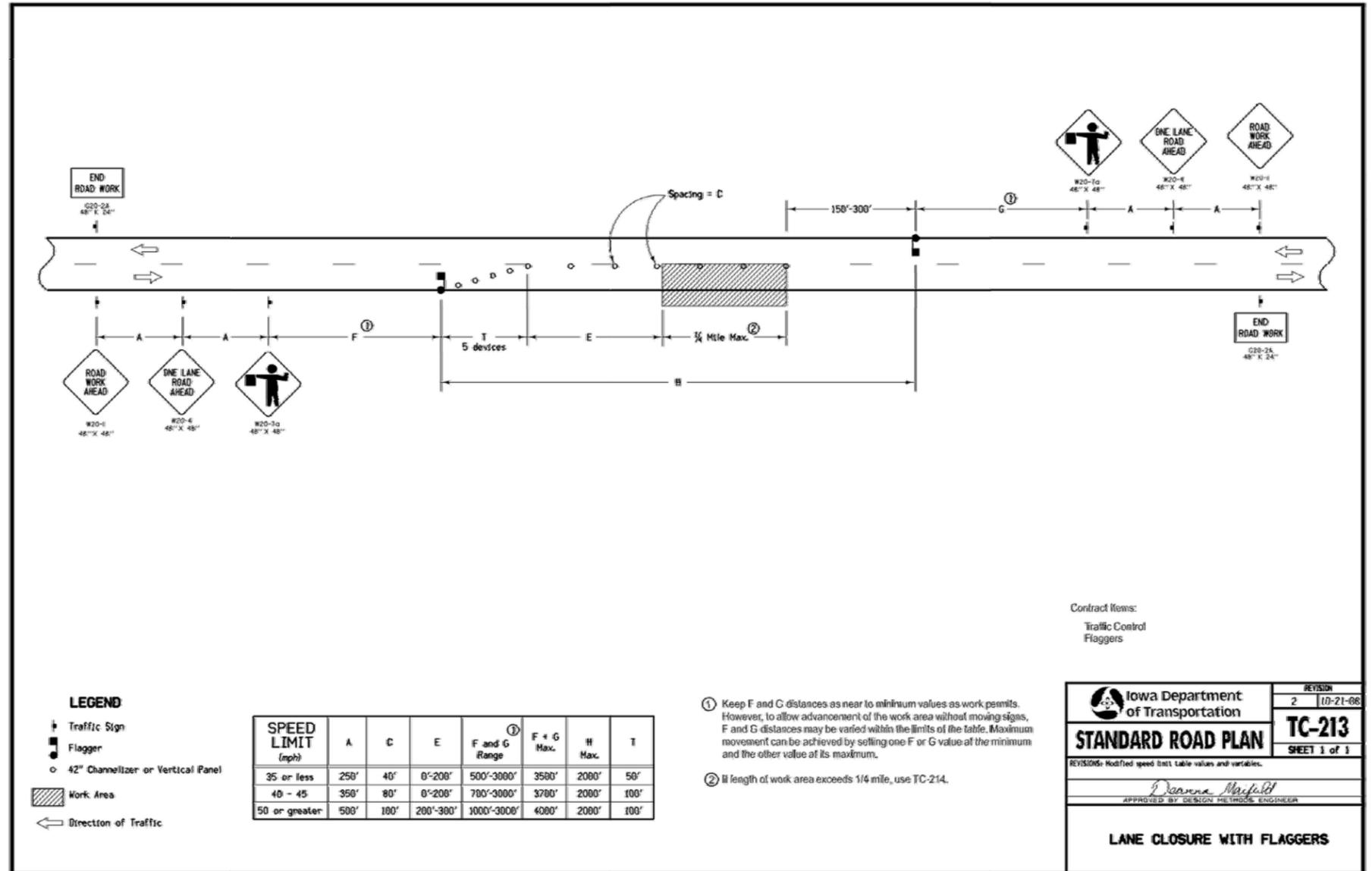
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PLAN

DWG. NO.
D.01
PROJECT 36853

General Phasing/Staging/Traffic Control Notes

1. Project Phasing/Staging is intended for completing pavement reconstruction and overlay while maintaining a minimum of one-way traffic at all times. The phases shown on the J sheets are guidelines for the contractor; actual traffic control and staging may vary as proposed by the contractor and approved by the Engineer.
2. All traffic control devices required by the contract documents shall be furnished, erected, moved, maintained, and removed by the contractor.
3. The location for storage of equipment by the contractor during non-working hours shall be as approved by the Engineer.
4. The contractor shall remove conflicting edge lines, centerline, and lane lines and shall provide temporary pavement marking as required by proposed phasing/staging/traffic control.
5. Proposed sign spacing may be modified as approved by the engineer to meet existing field conditions.
6. Permanent signing that conveys a message contrary to the message of the temporary signing and not applicable to the working conditions shall be covered by contractor with concurrence from Engineer.
7. All Construction traffic, including material delivery trucks shall use the unfinished portion of the roadway whenever possible.
8. The contractor shall submit completed Traffic Control Diary entries to the Engineer at the end of each work day or not later than morning of the following work day.
9. Per 23 CFR 634: "All workers within the Right-of-way of a federal-aid highway who are exposed either to traffic (vehicles using the highway for purposes of travel) or to construction equipment within the work area shall wear high-visibility safety apparel, which is defined to mean "personal protective safety clothing that is intended to provide conspicuity during both daytime and nighttime usage, and that meets the Performance Class 2 or # requirements of the ANSI/ISEA 107-2004"
10. Once the contractor closes one section of the roadway, the contractor shall complete the work associated with that phase of the project and reopen the roadway to traffic before leaving the project to work on another project.



Contract Items:
Traffic Control
Flaggers

Iowa Department of Transportation
STANDARD ROAD PLAN
 REVISIONS: Modified speed limit table values and variables.
 APPROVED BY: DESIGN METHODS ENGINEER
LANE CLOSURE WITH FLAGGERS

REVISION	2	10-21-08
TC-213		
SHEET 1 of 1		

1. Keep F and G distances as near to minimum values as work permits. However, to allow advancement of the work area without moving signs, F and G distances may be varied within the limits of the table. Maximum movement can be achieved by setting one F or G value at the minimum and the other value at its maximum.
2. If length of work area exceeds 1/4 mile, use TC-214.

DATE	REVISIONS	SCALE	AS NOTED	VERIFY SCALE
		DRAWN	EDG	BAR IS ONE INCH ON ORIGINAL DRAWING.
		CHECKED	LJB	IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.
		APPROVED	DRS	
		DATE	8-5-11	
		ISSUED FOR	CONSTRUCTION	



NORTH DOWNEY ST RESURFACING
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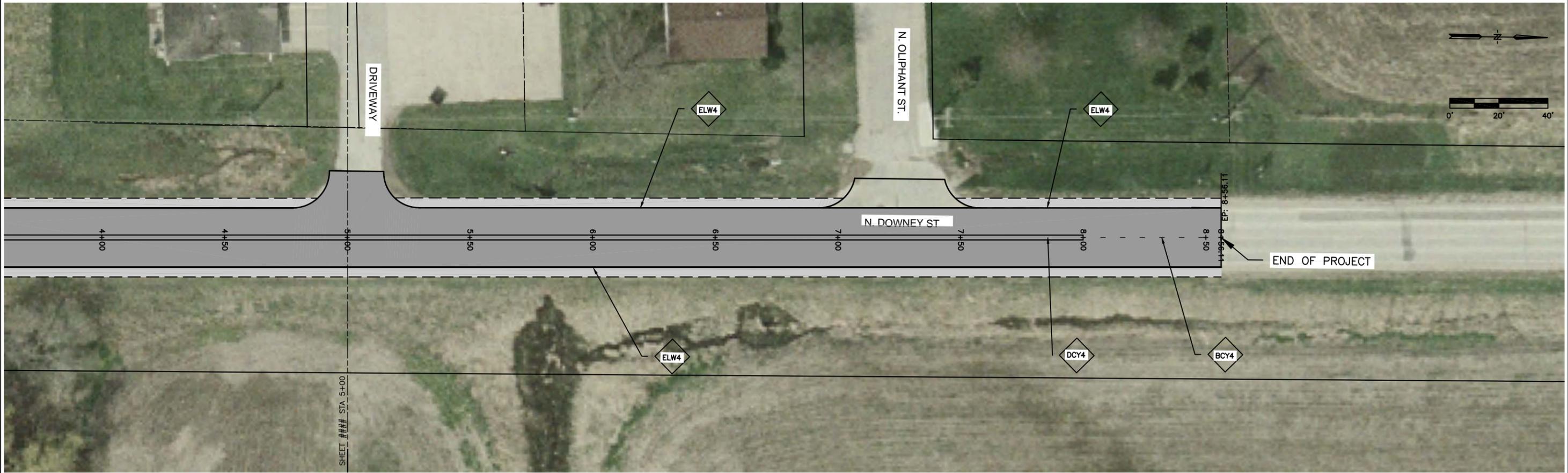
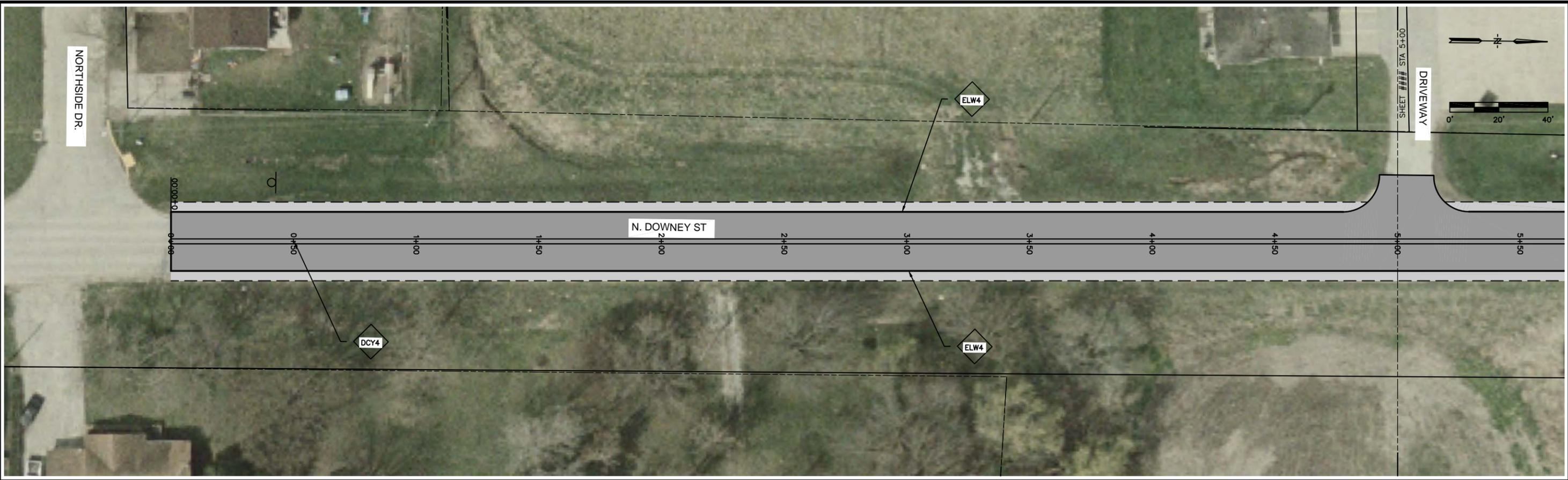
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TRAFFIC CONTROL

DWG. NO.	J.01
PROJECT	36853

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X-REFS: WBMAP & aerial
FILE PATH: Z:\WEST BRANCH 36853 N. DOWNEY OVERLAY\DRAWINGS\LOT PRODUCTION DRAWINGS\LOT PAVEMENT MARKINGS



DATE	REVISIONS	SCALE	AS NOTED
		DRAWN	EDG
		CHECKED	LJB
		APPROVED	DRS
		DATE	8-5-11
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VERIFY SCALE
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PAVEMENT MARKINGS

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